CONTRACT NO. 64425

MEDIUM tan SANDY LOAM with GRAVEL

MEDIUM yellow/tan weathered SANDSTONE

coring.

## **SOIL BORING LOG**

| . Illinois Department o                | Transportation |                 |             |               |   |                    | Date5/19/00         |
|--|----------------|-----------------|-------------|---------------|---|--------------------|---------------------|
| ROUTE FAP 567                          | DESCR          | IPTION          |             | P-92-         | 058-99 IL 38 over Fra   | anklin Creek       | LOGGED BY C. Jenkir |
| SECTION 9 B                            | ₹-3            | LOCA            | TION        | Chin          | ia Twp 2 NW, SEC,   | TWP. 21N, RNG.     | 0E                  |
| COUNTY Lee                             | _ DRILLING ME  | THOD            |             | Hol           | low Stem Auger  | HAMMER TYPE        | Diedrich Automatic  |
| STRUCT. NO. 052-003<br>Station 439 + 1 |                | B<br>L<br>O     | U<br>C<br>S | M<br>O<br>1   | Surface Water Elev.<br>Stream Bed Elev.                       | 63.3 ft<br>62.2 ft |                     |
| BORING NO.   B-1     Station           | CL             | W<br>S<br>(/6") | Qu<br>(tsf) | S<br>T<br>(%) | Groundwater Elev.: First Encounter Upon Completion After Hrs. | ft<br>ft           |                     |
| MEDIUM brown/tan SAND & GRAVEL         |                |                 |             |               |   |                    |                     |

| 1                     | 33.30    |
|-----------------------|----------|
|                       | -        |
| VERY DENSE yellow/tan | 20       |
| weathered SANDSTONE   | 65       |
|                       | 91.00 24 |
|                       | 10       |
| Same as above         | 100/2    |
|                       | so no l  |

Same as above Borehole continued with rock

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation

**ROCK CORE LOG** 

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|  | Division of Highways<br>Illinois Department of Transpor                              | tation                        |                         |               |             |       |     | E   | ate 5    | /19/00     |
|--|--|-------------------------------|-------------------------|---------------|-------------|-------|-----|-----|----------|------------|
| ROUTE  |  | DESCRIPTION                   | P-92-058-99             | IL 38 over l  | Franklin Cr | eek   | LO  |     |          |            |
| SECTION  | 9 BR-3   |                               | N China Twp.            |               |             |       |     |     |          |            |
| COUNTY   | Lee COI  |                               |                         |               |             |       | R   |     | CORE     | ş          |
| STRUCT. NO.  | 052-0020   | CORING BARR                   | EL TYPE & SIZE          | Double<br>BWD | ) A         | 1     | C   | R   | т        | T<br>R     |
|  | 439 + 12   | Core Diamete                  | r <u>1.5</u>            | in            | E           | 0     | V   | Q   | M        | E<br>N     |
| BORING NO  | B-1<br>440 + 06  | Top of Rock I<br>Begin Core E |                         |               | F           | E     | R   | D   | E        | G<br>T     |
| Offset   | 12.00ft Rt CL<br>ace Elev. 100.5   | —<br>Tit                      |                         |               | H           | l (#) | (%) | (%) | (min/ft) | H<br>(tsf) |
| Auger Refusal<br>1st 5' Core Rui                         | @ 11.5'  |                               |                         |               |             | 1     | 62  | 0   | 12       | (101)      |
| 31" Recovery<br>31%                                      |  |                               |                         |               |             | _     |     |     |          |            |
| Thinly bedded<br>Grading to Dol                          | calcareus Sandstone<br>omite at the end of the                                       | : 89.0 to 86.6<br>e run.      |                         |               |             | -     |     |     |          |            |
|  |  |                               |                         |               |             | 15    |     |     |          |            |
|  |  |                               |                         |               |             |       |     |     |          |            |
| Calcarnage Sa  | indstone: 84.0 to 83.7   |                               |                         |               | 84.00       | 2     | 100 | 13  | 16       | 732.5      |
| Buff, calcareou<br>Buff, Siltstone,<br>Buff, chalky, fir | tone, fractured, with vas Sandstone, porous dense: 81.5 to 80.3 ne grained Dolomite: | & pocked: 83.0 to 8           | s: 83.7 to 83.0.<br>1.5 | •             |             |       |     |     |          |            |
| n-coried above   | e TO to clear noie   |                               |                         |               |             | 20    |     |     |          |            |
|  |  |                               |                         |               |             |       |     |     |          |            |
| Buff, dense Sili   | rous Dolomite: 79.0 t<br>tstone: 78.6 to 77,6<br>domite: 77.6 to 74.0                | o 78.6                        |                         |               | 79.00       | 3     | 100 | 22  |          | 284.7      |
|  |  |                               |                         |               |             |       |     |     |          |            |
| •  | ¥  |                               | •                       |               |             | 25    |     |     |          |            |
|  | -  |                               |                         |               | 74.00       | -     |     |     |          |            |
| Buff, Dolomite   | tstone: 74.0 to 72.3<br>pocked with solution of<br>eckled Siltstone: 71.5            |                               | 5                       |               |             | 4     | 100 | 0   |          |            |
|  |  |                               |                         |               |             |       |     |     | ·        |            |
|  |  |                               |                         |               |             | 30    |     |     |          |            |
|  |  |                               |                         |               |             | +     |     |     |          |            |
|  |  |                               |                         |               | 69.00       |       |     |     |          |            |

End of Boring
Color pictures of the cores Available upon request.
Cores will be stored for examination until project constructed.
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

BORING #1

Note: Elevation Datum 100.0 from boring logs = 785.42 USGS elevation

BORING LOGS IL RTE 38 OVER FRANKLIN CREEK F.A.P. RTE 567 SECTION (12)BR-1 LEE COUNTY STATION 439+12.17 S.N. 052-0020

RANDOLPH & ASSOCIATES. INC. 136.109